Claims

1. A composition containing at least one nucleic acid sequence and/or at least one amino acid sequence, or a synthetically prepared analogue thereof or a substantially homologous sequence, wherein the composition is derived from or based upon the sequence of infectious salmon anaemia virus and wherein the at least one of said nucleotide and/or amino acid sequences does not cause salmon anaemia and is capable of being used as or to prepare a vaccine to ISAV.

2. The composition of claim 1, wherein the substantially homologous amino acid sequence encodes a peptide which is at least 70% homologous to a surface antigen and is capable of inducing an immune response.

3. The composition of claim 1, wherein the composition comprises at least one amino acid sequence chosen from the group consisting of Sequences ID numbers 2, 4, 6, 7, 8 or 10.

4. A composition as claimed in claims 1 to 3 wherein the at least one amino acid sequence comprises at least one fragment of a sequence belonging to the group consisting of Sequence ID no's 2, 4, 6, 7, 8 or 10.

5. A composition as claimed in claims 1 to 3 wherein the at least one amino acid sequence is a truncated form of at least one of the amino acid sequences of

the group consisting of Sequence ID Numbers 2, 4, 6, 7, 8 or 10, which is capable of inducing an immune response.

6. Preferably the substantially homologous nucleotide sequence is at least 60% homologous to a sequence of a part of a surface antigen and the part of the antigen is capable of inducing an immune response.

7. A composition as claimed in claim 1 wherein the nucleotide sequence is chosen from the group consisting of Sequence ID numbers 1, 3, 5 and 9.

8. A composition as claimed in claim 1 or claim 7 wherein the or at least one nucleotide sequence contains at least one fragment of a sequence chosen from the group consisting of Sequence ID numbers 1, 3, 5 and 9.

9. A composition as claimed in claim 1, claim 7 or claim 8 wherein the at least one sequence is a truncated form of the sequence chosen from the group consisting of Sequence ID Numbers 1, 3, 5 and 9.

10. A composition as claimed in any of claims 1, 7, 8 or 9, wherein the nucleotide sequence is incorporated in a plasmid.

11. A composition as claimed in any of the previous claims wherein the nucleotide sequence is incorporated in an expression vector.

12. The use of any of Sequence ID numberss 1 to 10, as described in the present invention in the preparation of a vaccine and/or therapeutic medicament for the protection of fish from infection with Infectious Salmon Anaemia virus.

13. A vaccine to protect fish against ISAV wherein the vaccine is based upon or derived from nucleic acid or peptide sequences as set out in any of Sequence ID numbers 1 to 10.